

इंटरनेट

मानक

Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

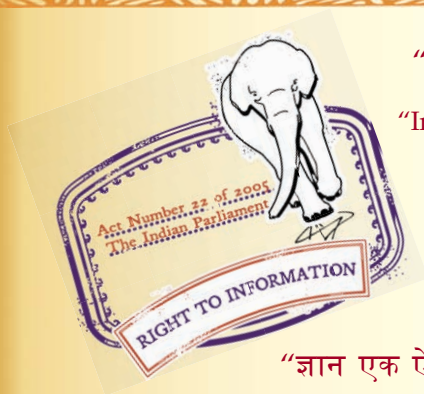
“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 10453-2 (1983): Taper Male Stud Tee Body (Stud Run) for Oil-Hydraulic Couplings, Part II: Made from Bar Stock [PGD 17: Fluid Power Fittings, Hoses and Hose Assemblies]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

BLANK PAGE



Standard & Specification Section

Indian Standard

P. D. S. O. Ministry of Railways,
LUCKNOW

Reciprocal Exchange Cent

SPECIFICATION FOR

TAPER MALE STUD TEE BODY (STUD RUN)
FOR OIL-HYDRAULIC COUPLINGS

PART II MADE FROM BAR STOCK

C. No.

1. **Scope** — Specifies dimensions, material and other requirements for taper male stud tee body (stud run) made from bar stock for use in oil-hydraulic system.
2. **Dimensions** — Shall be as given in Table 1.
3. **Material** — Steel conforming to designation 14C14S14 of IS : 1570 (Part III)-1979 'Schedules for wrought steels : Part III Carbon and carbon manganese free cutting steels (*first revision*)', or any other steel as agreed to between the user and the manufacturer.
4. **Surface Protection** — The taper male stud tee body (stud run) shall be phosphated to Class A2 of IS : 3618-1966 'Phosphate treatment of iron and steel for protection against corrosion', unless otherwise agreed to between the user and the manufacturer.
5. **General Requirements**
 - 5.1 These taper male stud tee bodies (stud run) are intended for assembly in accordance with Type A of IS : 10480-1983 'Stud run tee coupling assemblies for oil-hydraulic systems'.
 - 5.2 For details not covered in this standard, reference shall be made to IS : 8805 (Part I)-1978 'General requirements for ferrule type couplings used in oil-hydraulic systems : Part I General'.
6. **Designation** — A taper male stud tee body (stud run) of light series L for 6 mm outside diameter of tube and conforming to this standard shall be designated as:

Stud Run Tee Body L6 IS : 10453 (Part II)
7. **ISI Certification Marking** — Details available with the Indian Standards Institution.

EXPLANATORY NOTE

This standard covers taper male stud tee body made from bar stock only. The tee-bodies made from forging are covered in IS : 10453 (Part I)-1983 'Taper male stud tee body (stud run) for oil-hydraulic couplings : Part I Made from forgings'.

In the preparation of this standard, assistance has been derived from the following standards:

BS : 4368 Carbon and stainless steel compression couplings for tubes

Part I : 1972 Heavy series (metric)

Part III : 1974 Light series (metric). British Standards Institution (BSI)

DIN 3913 : 1966 Non-soldered taper-bush type pipe unions; L union used as an adaptor with taper thread on screwed-in-end for use with union nut. Deutsches Institut für Normung (DIN).

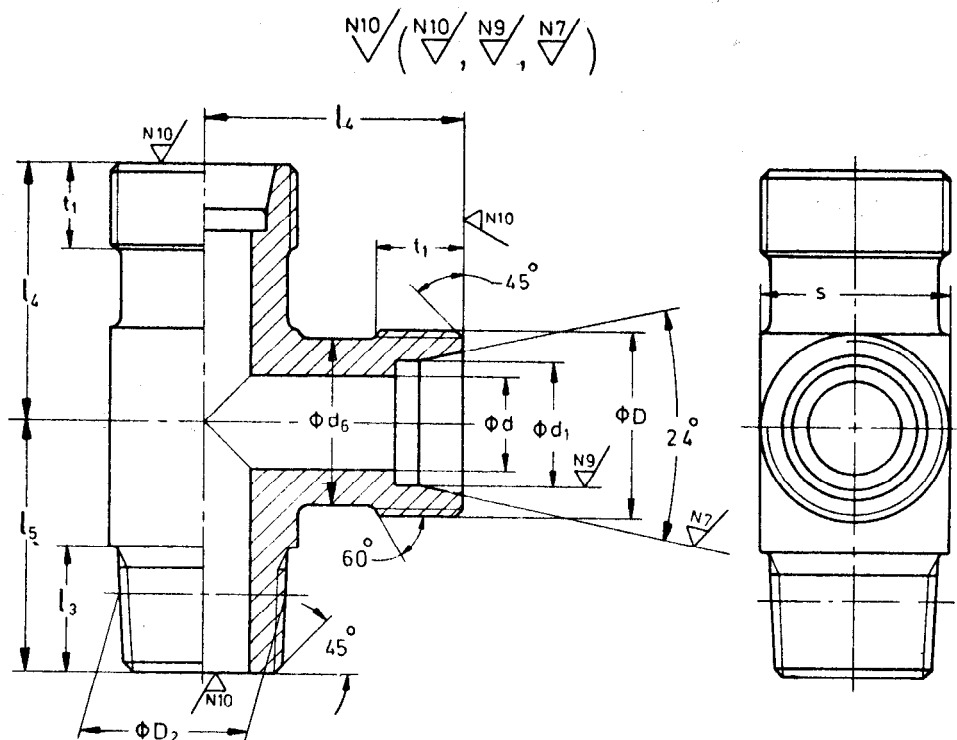
Adopted 28 January 1983

© May 1983, ISI

Gr 1

TABLE 1 DIMENSIONS FOR TAPER MALE STUD TEE BODY (STUD RUN) MADE FROM BAR STOCK
(Clause 2)

All dimensions in millimetres.



Series	Outside Dia of Tube	D_2^*	D^\dagger	d	d_1 B11	d_6 h13	t_1 ± 0.2	l_4 ± 0.3	l_5 ± 0.3	l_3	s h13
Light L	4	$R \frac{1}{8}$	M 8×1	3	4	6.4	6	15	17	10	10
	6	$R \frac{1}{8}$	M 12×1.5	4	6	9.7	7	19	20	10	12
	8	$R \frac{1}{4}$	M 14×1.5	6	8	11.7	8	21	26	14	14
	10	$R \frac{1}{4}$	M 16×1.5	7	10	13.7	8	22	27	14	17
	12	$R \frac{3}{8}$	M 18×1.5	9	12	15.7	9	24	28	14	19
	15	$R \frac{1}{2}$	M 22×1.5	11	15	19.7	10	28	34	16	22
	18	$R \frac{1}{2}$	M 26×1.5	14	18	23.7	10	31	36	16	27
Heavy H	6	$R \frac{1}{4}$	M 14×1.5	4	6	11.7	10	23	26	14	14
	8	$R \frac{1}{4}$	M 16×1.5	5	8	13.7	10	24	27	14	17
	10	$R \frac{3}{8}$	M 18×1.5	7	10	15.7	10	25	28	14	19
	12	$R \frac{3}{8}$	M 20×1.5	8	12	17.7	10	29	28	14	22
	14	$R \frac{1}{2}$	M 22×1.5	10	14	19.7	11	30	32	16	22
	16	$R \frac{1}{2}$	M 24×1.5	12	16	21.7	11	33	32	16	24

*External taper threads conforming to IS : 554-1975 'Dimensions for pipe threads where pressure tight joints are required on the threads (second revision)'.

†Threads on tube ends as per IS : 4218-1976 'ISO metric screw threads' class 6 g.